

## 02 Background of Invention

The present invention relates to an ice-fishing wind-driven tip-up, an apparatus used in ice-fishing.

03 Ice-fishing is a popular sport for sportsmen to engage in winter months in central and northern states. This activity can be done with fishing reels, jig poles and ice-fishing tip-ups. A hole is then prepared by drilling or chopping through the ice on a frozen lake. Fishermen then suspend a line with bait to attract game fish into biting on a line and hook. Most of these devices are called tip-ups. The angler can fish out of a wood structure or a vehicle. Problems arise from assembly or dismantling due to ice on tip-ups that are folded or collapsed. Hole freezing occurs and freezes line in. Also poor presentation to fish is a problem. Moving baits attract fish. I had these ideas before developing my idea. Tip-up assemblies that move and have more function results in not only catching more fish, it also keeps lines from freezing into the ice because of greater movement. Claimed tip-ups are simplified by pulling out or putting in band in support structure on claimed tip-ups. Prior wind tip-ups

that were folded or collapsed was a problem due to icing on prior tip-up structures being folded or collapsed, for transportation and storing. Also prior tip-ups take up more space; refer to patent no. 4373287 H.T.Windlass. Prior ice-fishing wind tip-ups are constructed differently, moving function is limited; refer to prior wind tip-up patent no. 4373287 H.T.Windlass. Claimed tip-up construction allows greater movement and function, due to claimed tip-up band construction versus wood construction; refer to wind tip-up patent no. 4373287 H.T.Windlass.

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#### Summary of Invention

The primary object of the present invention ice-fishing apparatus is to be compatible with ice-fishing conditions.

is a further object of the invention to become a simplified disassemble and assemble for transport and storage, and preventative freezing on structure of apparatus.

It's further object is a greater moving function.

It's further object is claimed tip-up can be adjusted for smaller fish.

It's further object is to move in low wind conditions.

It's further object is to take up less space than other wind tip-ups for transport and storage.

It's further object is to allow assembly and disassembly with no ice on structure of tip-ups due to a different construction, a non-folding or non-collapsing claimed tip-up.

### Summary

Prior wind tip-ups are constructed differently. Their moving function is limited, like prior wind tip-up, patent no. 4373287 H.T.Windlass. Claimed tip-up construction allows greater moving function due to a steel band construction versus a wood construction. Claimed tip-up has adjusting weights, which can be adjusted for smaller fish.

### 0004 Detailed Description of Invention

My claimed invention is a wind-driven ice-fishing tip-up. It is a bait-moving tip-up, which jigs in an up and down motion, jiggling the bait, to

attract fish. To make claimed invention, first there is a claimed support structure, made of wood. In this claimed support structure is a saw-cut groove. On claimed tip-up is an upright claimed piece of wood, attached to support structure. A claimed spool with a claimed pin goes into said upright piece of wood, thus holding spool on. Claimed steel band of said tip-up has a steel wire flag on end of said band, assembly consisting of two weights, and one cloth flag. Said steel wire is then bent in middle of wire flag, completely around, leaving a loop. Next said bend is end of flag, a slight bend for line to be placed on. Next is a slight bend in front of flag. Then flag cloth is attached. This claimed flag is then attached to claimed band. Claimed band is cut at end, cutting small one quarter inch piece out. Next claimed pin is put through claimed flag. Next said end of band is bent around pin and riveted, holding flag on. Claimed tip-up works by a fish pulling on line. Flag is pulled forward. Said weights move forward, and said flag trips. As claimed flag trips, line falls two feet to ice hole.

#### Brief description of the drawings

Fig. 1 shows an assembled perspective drawing of the invention as it appears in normal use relative to an ice hole.

Fig. 2 shows an assembled perspective drawing of the invention when it is triggered or set off by fish bite.

Fig. 3 is an elevation drawing showing invention in an unassembled view.